

DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING (GENERAL) (07H10616)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science in Engineering

All the courses listed below are prescribed for this degree

PROGRAMME YEAR 1 – 120 Credit Points					
First Half Session			Second Half Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
PD 1001	Professional Skills Part 1	0			
EG 1008	Principles of Electronics	15	EG 1504	Engineering Mathematics 1	15
EG 1010	CAD and Communications in Engineering Practice	15			
EG 1012	Fundamentals of Engineering Materials	15	EG 1510	Fundamental Engineering Mechanics	15
Plus 45 credit points from courses of choice.					

PROGRAMME YEAR 2 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EG 2004	Fluid Mechanics and Thermodynamics	15	EA 2502	Solids and Structures	15
EG 2011	Process Engineering	15	EG 2501	Design and Computing	15
EG 2012	Engineering Mathematics 2	15	EG 2503	Electrical and Mechanical Systems	15
Plus 30 credit points from courses of choice.					

PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
EG 3007	Engineering Analysis and Methods 1	15	EG 3599	Project & Safety Management	10
EM 3019	Fluid Mechanics	15	Plus 50 credit points from the below:		
Plus two from the below:			EX 3501	Chemical Reaction Engineering	15
EX 3029	Chemical Thermodynamics	15	EX 3502	Separation Processes 1	15
EX 3030	Heat, Mass & Momentum	15	EX 3503	Chemical Engineering Design	10
GL 3029	Petroleum Geology and Reservoir Characterisation	15	EX 3504	Process Modelling	10
			EP 3595	Drilling and Well Engineering	15
			EP 3596	Reservoir Engineering I: Fundamentals	15
			EP 3597	Petroleum Engineering Design	10
			EP 3598	Well Testing	10

Notes	
1.	This degree is an Ordinary Degree programme and is not professionally accredited.
2.	To graduate, candidates must obtain at least 360 credit points from the courses specified above, to include all compulsory courses at Levels 1 and 2, plus at least 90 credit points from Level 3 courses (ie, those courses coded EA/EE/EG/EM/E/EX 3XXX).
3.	All course choices at Level 2 and above are subject to students holding the appropriate pre-requisites.
4.	Please consult the BScEng Supplementary Regulations for further details.